

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2018/0018869 A1 Ahmad et al.

Jan. 18, 2018 (43) **Pub. Date:**

(54) AUTONOMOUS POLICE VEHICLE

(71) Applicant: Ford Global Technologies, LLC,

Dearborn, MI (US)

(72) Inventors: Mohamed Ahmad, Mountain View, CA

(US); Harpreetsingh Banvait,

Sunnyvale, CA (US); Alexandru Mihai Gurghian, Palo Alto, CA (US); Francois Charette, Tracy, CA (US)

(21) Appl. No.: 15/208,500

(22) Filed: Jul. 12, 2016

Publication Classification

(51)	Int. Cl.	
	G08G 1/01	(2006.01)
	G08G 1/017	(2006.01)
	G05D 1/02	(2006.01)
	G05D 1/00	(2006.01)
	G06T 7/20	(2006.01)

G06K 9/00 (2006.01)G08G 1/054 (2006.01)G06K 9/32 (2006.01)

(52)U.S. Cl.

CPC G08G 1/0137 (2013.01); G08G 1/054 (2013.01); G08G 1/0175 (2013.01); G06K 9/3258 (2013.01); G05D 1/0094 (2013.01); G06T 7/20 (2013.01); G05D 1/0088 (2013.01); G06K 9/00785 (2013.01); G05D 1/0223 (2013.01); G05D 2201/0212 (2013.01); G06T 2207/30241 (2013.01)

(57)ABSTRACT

Techniques pertaining to an autonomous police vehicle are described. A method may involve a processor associated with an autonomous vehicle obtaining an indication of violation of one or more traffic laws by a first vehicle. The method may also involve the processor maneuvering the autonomous vehicle to pursue the first vehicle. The method may further involve the processor remotely executing one or more actions with respect to the first vehicle.

